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APPLICATION NO.	HLING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10 082,174	02 26 2002	Stanford W. Crane JR.	040879-5092	2403
9629	02 28 2003			
MORGAN LEWIS & BOCKIUS LLP THE PENNSYLVANIA AVENUE NW WASHINGTON, DC 20004			EXAMINER	
			TRINH, HOA B	
			ART UNIT	PAPER NUMBER
			2814	
			DATE MAILED: 02/28/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Platent and Trademians (1<del>11 ce</del> Trylon Russic (14 ce) Application/Control Number: 10/082,174

Art Unit: 2814

### **DETAILED ACTION**

# Election/Restrictions

- 1. Claims 12-29 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected group, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in Paper No. 4.
- 2. Applicant's election with traverse of group I, claims 1-11, in Paper No. 4 is acknowledged. The traversal is on the ground(s) that "'materially different process' is not excluded from the coverage under the claims of group II and that the examination of the pending claims would not be an excessive burden on the examiner". This is not found persuasive because as mentioned in the previous Office Action group I distinguishes from group II, since group I can be made with materially different process to produce a packaging device having vertical lead sections. On the other hand, the present process claims can be used to make another materially different product such as a packaging device with horizontal lead sections.

The requirement is still deemed proper and is therefore made FINAL.

### Claim Objections

3. Claim 1 is objected to because of the following informalities: "a external" should be "an external". Appropriate correction is required.

# Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

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1-5.

section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language, or

(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a)

5. Claims 1- are rejected under 35 U.S.C. 102(e) as being anticipated by Crane, Jr. et al. (6,339191).

Crane, Jr. et al. (6,339191) discloses a semiconductor chip carrier/packaging having the following:

As to claim 1, a housing defining a cavity for holding a die 101 and including a plurality of insulative sidewalls 102b, and an end plate 102a joined to the side walls; and a plurality of conductive leads 103, which include an internal lead section extending into the cavity from the top surface of the interior wall and an external lead section extending externally from at least one bottom surface of the side wall. See col. 1, lines 39-42, 61-62, col 9, lines 1-5, col 13, lines 60-65, and figures 2-4, 62.

As to claim 2, the side walls and end plate are a one-piece unit. See figures 7b, 3.

As to claim 3, the insulative side wall is made of liquid crystal polymer. See col 9, lines

As to claim 4, side walls include recess. See figure 5.

As to claim 5, the end plate 102a is adapted to support one die. See figure 3

As to claim 6, the end plate includes a conductive material. See col 21, lines 50-65

As to claim 7, the cover plate covers at least a portion of the cavity. See col. 1, lines 39-42, 61-62, col 9, lines 1-5, col 13, lines 60-65.

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As to claim 9, an adhesive is applied to the trench for securing the plate to the housing. See col. 1, lines 39-42, 61-62, col 9, lines 1-5, col 13, lines 60-65.

As to claim 10, Adhesive is applied to the side walls for securing the cover plate to the housing. col. 1, lines 39-42, 61-62, col 9, lines 1-5, col 13, lines 60-65.

As to claim 11, the external leas sections extend at least two different lengths from the bottom surface of each side wall. See figure 3.

### Conclusion

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Phy et al. (4,839,717) discloses a semiconductor packaging having a die, an end plate, a cover plate, leads and other elements. See entire document.

2. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Vikki Trinh whose telephone number is (703) 308-8238. The Examiner can normally be reached Mon-Tuesday, Thurs-Friday, 7:30 AM - 6:00 PM Eastern Time. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, Mr. Wael Fahmy, can be reached at (703) 308-4918. General inquiries relating to the status of this application should be directed to the Group

receptionist at (703) 508-0858. The fax number is (703) 508-2708.

Vikki Trinh, Patent Examiner AU 2814